# MARINER NEWS

Tech file

CORPORATIO
NOV 15 REC'D
OAKLAND.
REC'D. ON ABOVE

TO: Service Departments

FROM: Walter E. Kaelin, V.P. Engineering

DATE: November 10, 1977

SUBJECT: Remote Control Mariner 76

We recently fabricated 25 remote control cables with the crimp machine out of adjustment. The second crimp around the insulation sometimes broke the copper strand. Defective cables can be found by pulling on the terminated strand or by "ringing" the cable through with an ohmmeter.

If you have any remote units in stock, please test the cables immediately and return the defective ones for exchange.

# MARINER NEWS

TECHNICAL BULLETIN

BAYTRONICS CORPORATION
JUN 22 REC'D
OAKLAND, CALIF.
REC'D. ON ABOVE DATE

TO: Service Departments

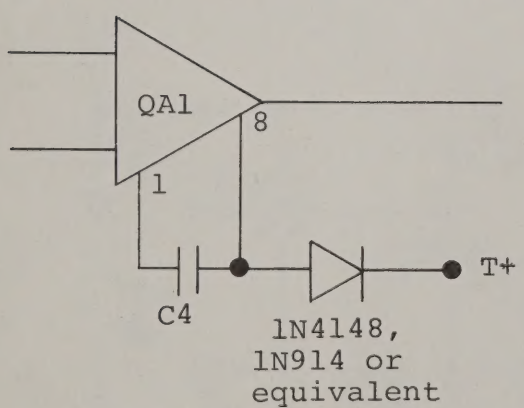
FROM: Walter E. Kaelin, V.P. Engineering

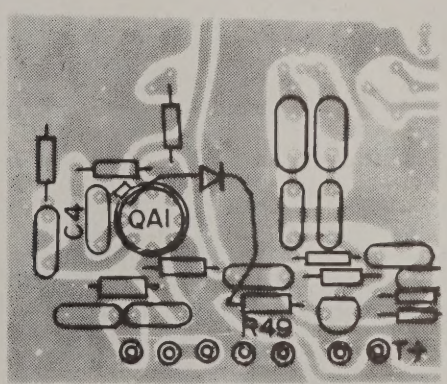
SUBJECT: V-106 A1, Oscillator Board, Rev. E and F
Remote Microphone and Loudspeaker

DATE: June 14, 1976

It has been noted that when a remote microphone and loud-speaker are connected thru the same cable ACOUSTICAL FEEDBACK will result. To prevent this, a silicon diode, like the 1N4148 or 1N914 type, should be connected from Pin 8 of the microphone amplifier (QA1, LM301A) to the T+ Voltage as shown below. There is adequate room for the diode on the bottom of the P.C. Board

NOTE: The revision letter is located in the lower left corner; e.g., 23E or 23F.



# MARINER NEWS

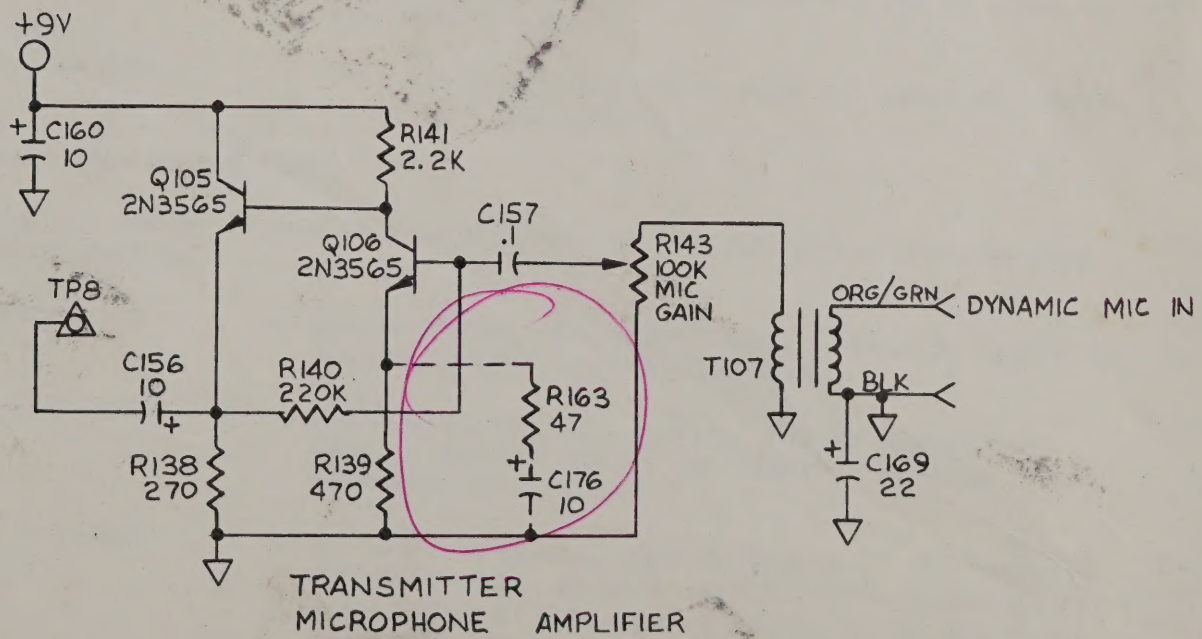
TO: Service Departments

FROM: Walter E. Kaelin, V.P. Engineering

DATE: April 14, 1978

SUBJECT: Mariner 1500/1600 Dynamic Microphone

To improve the voice power on the SSB Transceivers, while using the dynamic microphone, the following changes must be made. A 47 Ohm resistor in series with a 10μF capacitor must be soldered in parallel with R139. These components are mounted on top of the A1 board. All radios shipped since March 27, 1978 have been modified at the plant. Let me know how many sets of components you need. Please note that this modification is for dynamic microphones only.




intech INC./282 BROKAW RD./SANTA CLARA, CA. 95050 U.S.A./(408) 244-0500/TWX 910-338-0254

# MARINER NEWS

BAYTRONICS CORPORATION
MAR 16 1979
OAKLAND, CALIF.
REC'D. ON ABOVE DATE

TO: All Intech Dealers

FROM: Walter E. Kaelin, V.P. Engineering

SUBJECT: Transition to A3J on 2182 KHz

DATE: March 12, 1979

The FCC released General Docket No. 78-208 on February 7, 1979. It specifies the termination of full carrier SSB (A3H) and initiation of suppressed carrier (A3J) on 2182 KHz. Capability for A3J emission on 2182 KHz shall be completed on or before April 30, 1979.

Ship stations are also authorized to receive and transmit using emission A3H for communications with foreign coast stations and with vessels of foreign registry.

If you have any questions with regard to this docket, please contact Mr. Walter E. Weaver, FCC, Marine and Aviation Division at (202) 632-7197.

The following information pertains specifically to Intech SSB Transceivers.

1) Radios shipped from Intech as of March 14, 1979.

Mariner 1500/1600 - Front panel AME/SSB switch is wired so as to be effective on channel position 1. With the switch in AME, A3H-Tx and DSB-Rx mode results. In SSB, A3J-Tx and SSB-Rx.

If A3J only is desired, modify the set as shown in the owner's manual.

Mariner 500 - Sets are modified so that only A3J emission results in channel position 1.

2) Radio sets in the field.

Sets can easily be modified to provide the desired form of transmission and reception.

Mariner 500 - Remove CR114, see owner's manual, page 5, figure 2. Results in A3J transmission only.

Mariner 1500 - See owner's manual, page 6. Remove jumper J-S. Wire-in AME/SSB switch per figure 2 if front panel selection is desired.

Mariner 1600 - See owner's manual, page 8, figure 2. Set program switch to SSB. Wire-in AM/SSB switch instead of jumper E201 if front panel selection is desired and leave program switch in AME mode. Jumper CR215 to E201.

# MARINER NEWS

TO: SERVICE DEPARTMENTS

FROM: Walter E. Kaelin, V.P. Engingeering

SUBJECT: Mariner 1500, Type approval in Canada

DATE: March 10, 1977

On February 7, 1977 the Mariner 1500 C was granted Type approval No. 237 811 039 L,C,V, under specification RSS 181.

The Canadian version, Mariner 1500 C, differs from the U.S. unit by a factory installed mechanical filter F 455 FC 60 to provide better A.M. Selectivity.

The following items are deleted: T101, C110, C113, T102, C112, T103, C114.

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# MARINER NEWS

BAYTRONICS
CORPORATION

SEP 21 REC'D

OAKLAND, CALIF.
REC'D. ON ABOVE DATE

TO: Service Departments

FROM: Walter E. Kaelin, V.P. Engineering

DATE: September 19, 1977

SUBJECT: Mariner 500, 2-5MHz SSB Radiotelephone

Position 2 of the channel selector switch is factory wired for simplex operation to enhance shielding of the 10.7MHz local oscillator signal. When semi-duplex operation is desired, it is necessary to remove the shorting wire from the tuning capacitor of crystal position 2B.

The Mariner 500 is becoming the most popular SSB Radiotelephone on the market today as it economically provides reliable coastal communications for the yachtsman and commercial boat operator. Order yours today!

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